

Title (en)
FLEXIBLE CONTAINERS WITH VENT SYSTEMS

Title (de)
FLEXIBLE BEHÄLTER MIT LÜFTUNGSSYSTEMEN

Title (fr)
CONTENANTS FLEXIBLES DOTÉS DE SYSTÈMES D'ÉVENTS

Publication
EP 3066024 B1 20171220 (EN)

Application
EP 14805418 A 20141106

Priority
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• US 2014064282 W 20141106

Abstract (en)
[origin: US2015122846A1] Non-durable self-supporting flexible containers having product volumes and structural support frames are provided with vents to facilitate equalization of the pressure inside the product volume to the pressure of the environment outside of the containers. The vents enable rapid recovery of the structural support from a deformed state, which occurs when a fluent product is dispensed, to an undeformed state. For this purpose, the vents comprise vent paths between the environment outside of the containers and the product volume. The vents may further comprise a non-wetting material surrounding the entrance and exit of the vent path and/or microtexturing or a spacer to maintain space for air flow in the vent path.

IPC 8 full level
B65D 75/00 (2006.01); **B65B 1/02** (2006.01); **B65B 3/02** (2006.01); **B65B 5/02** (2006.01); **B65B 31/04** (2006.01); **B65D 30/10** (2006.01); **B65D 33/00** (2006.01); **B65D 33/02** (2006.01); **B65D 75/20** (2006.01); **B65D 75/52** (2006.01); **B65D 75/54** (2006.01); **B65D 75/56** (2006.01); **B65D 75/58** (2006.01); **B65D 81/03** (2006.01)

CPC (source: EP MX US)
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